

FILE 'HOME' ENTERED AT 14:59:05 ON 06 JUN 2003

=> index bioscience agriculture

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 14:59:43 ON 06 JUN 2003

70 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s oil (s) bod and (isolat? or separat?) and antibod? same fusion?

AND IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s oil (s) bod? and (isolat? or separat?) and antibod? (s) fusion?

6 FILE BIOTECHABS

6 FILE BIOTECHDS

1 FILE CABA

13 FILES SEARCHED...

2 FILE CAPLUS

1 FILE CEABA-VTB

28 FILE DGENE

24 FILES SEARCHED...

1 FILE ESBIODASE

1* FILE FEDRIP

39 FILES SEARCHED...

8 FILE IFIPAT

51 FILES SEARCHED...

379 FILE USPATFULL

14 FILE USPAT2

2 FILE WPIDS

66 FILES SEARCHED...

2 FILE WPINDEX

13 FILES HAVE ONE OR MORE ANSWERS, 70 FILES SEARCHED IN STNINDEX

LI QUE OIL (S) BOD? AND (ISOLAT? OR SEPARAT?) AND ANTIBOD? (S) FUSION?

=> file hits

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.60	6.81

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 15:06:42 ON 06 JUN 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DGENE' ENTERED AT 15:06:42 ON 06 JUN 2003

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FILE 'USPAT2' ENTERED AT 15:06:42 ON 06 JUN 2003

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FILE 'IFIPAT' ENTERED AT 15:06:42 ON 06 JUN 2003

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FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 15:06:42 ON 06 JUN 2003
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FILE 'CAPLUS' ENTERED AT 15:06:42 ON 06 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE 'WPIDS' ENTERED AT 15:06:42 ON 06 JUN 2003
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

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FILE 'CEABA-VTB' ENTERED AT 15:06:42 ON 06 JUN 2003
COPYRIGHT (c) 2003 DECHEMA eV

FILE 'ESBIOBASE' ENTERED AT 15:06:42 ON 06 JUN 2003
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FILE 'FEDRIP' ENTERED AT 15:06:42 ON 06 JUN 2003

=> s l1

L2	379	FILE	USPATFULL
L3	28	FILE	DGENE
L4	14	FILE	USPAT2
L5	8	FILE	IFIPAT
L6	6	FILE	BIOTECHDS
L7	2	FILE	CAPLUS
L8	2	FILE	WPIDS
L9	1	FILE	CABA
L10	1	FILE	CEABA-VTB
L11	1	FILE	ESBIOBASE

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION?'
L12 1 FILE FEDRIP

TOTAL FOR ALL FILES

L13 443 L1

=> s l13 and (antibod? (s) fus)

) IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l13 and (antibod? (s) fusion)

L14	379	FILE	USPATFULL
L15	28	FILE	DGENE
L16	14	FILE	USPAT2
L17	8	FILE	IFIPAT
L18	6	FILE	BIOTECHDS
L19	2	FILE	CAPLUS
L20	2	FILE	WPIDS
L21	1	FILE	CABA
L22	1	FILE	CEABA-VTB
L23	1	FILE	ESBIOBASE

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'

L24 1 FILE FEDRIP

TOTAL FOR ALL FILES

L25 443 L13 AND (ANTIBOD? (S) FUSION)

=> dup rem l25

DUPLICATE IS NOT AVAILABLE IN 'DGENE, FEDRIP'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L25

L26 418 DUP REM L25 (25 DUPLICATES REMOVED)

=> s l15-23 and (ANTIBOD? (S) FUSION)

L27 379 FILE USPATFULL

L28 28 FILE DGENE

L29 14 FILE USPAT2

L30 8 FILE IFIPAT

L31 6 FILE BIOTECHDS

L32 2 FILE CAPLUS

L33 2 FILE WPIDS

L34 1 FILE CABA

L35 1 FILE CEABA-VTB

L36 1 FILE ESBIOWASE

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'OIL (S) BOD?'

L37 1 FILE FEDRIP

TOTAL FOR ALL FILES

L38 443 (L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23)
AND (ANTIBOD? (S) FUSION)

=> s l26 and (oil (w) bod?) (s) ligand?

```
L39      379 S L26
L40      6 FILE USPATFULL
L41      28 S L26
L42      0 FILE DGENE
L43      0 S L26
L44      0 FILE USPAT2
L45      1 S L26
L46      0 FILE IFIPAT
L47      5 S L26
L48      0 FILE BIOTECHDS
L49      1 S L26
L50      0 FILE CAPLUS
L51      0 S L26
L52      0 FILE WPIDS
L53      1 S L26
L54      0 FILE CABA
L55      1 S L26
L56      0 FILE CEABA-VTB
L57      1 S L26
L58      0 FILE ESBIODASE
L59      1 S L26
```

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'BOD?' (S) LIGAND?'

```
L60      0 FILE FEDRIP
```

TOTAL FOR ALL FILES

```
L61      6 L26 AND (OIL (W) BOD?) (S) LIGAND?
```

=> s 61 and (oil (w) bod?) (s) (antibod (s) fusion)

(S) IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s 61 and ((oil (w) bod?) (s) (antibod (s) fusion))

```
L62      0 FILE USPATFULL
L63      0 FILE DGENE
L64      0 FILE USPAT2
L65      0 FILE IFIPAT
L66      0 FILE BIOTECHDS
L67      0 FILE CAPLUS
L68      0 FILE WPIDS
L69      0 FILE CABA
L70      0 FILE CEABA-VTB
L71      0 FILE ESBIODASE
```

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD (S) FUSION'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'BOD?' (S) '

```
L72      0 FILE FEDRIP
```

TOTAL FOR ALL FILES

```
L73      0 61 AND ((OIL (W) BOD?) (S) (ANTIBOD (S) FUSION))
```

=> s l61 and ((oil (w) bod?) (s) (antibod (s) fusion))

```
L74      0 FILE USPATFULL
L75      0 FILE DGENE
L76      0 FILE USPAT2
L77      0 FILE IFIPAT
L78      0 FILE BIOTECHDS
L79      0 FILE CAPLUS
L80      0 FILE WPIDS
L81      0 FILE CABA
```

L82 0 FILE CEABA-VTB
 L83 0 FILE ESBIODBASE
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD (S) FUSION'
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'BOD?) (S) '
 L84 0 FILE FEDRIP

TOTAL FOR ALL FILES

L85 0 L61 AND ((OIL (W) BOD?) (S) (ANTIBOD (S) FUSION))

=> s l61 and ((oil (w) bod?) and (antibod (s) fusion))

L86 0 FILE USPATFULL
 L87 0 FILE DGENE
 L88 0 FILE USPAT2
 L89 0 FILE IFIPAT
 L90 0 FILE BIOTECHDS
 L91 0 FILE CAPLUS
 L92 0 FILE WPIDS
 L93 0 FILE CABA
 L94 0 FILE CEABA-VTB
 L95 0 FILE ESBIODBASE
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD (S) FUSION'
 L96 0 FILE FEDRIP

TOTAL FOR ALL FILES

L97 0 L61 AND ((OIL (W) BOD?) AND (ANTIBOD (S) FUSION))

=> s l61 and ((oil (w) bod?) (s) (antibod? (s) fusion))

L98 6 FILE USPATFULL
 L99 0 FILE DGENE
 L100 0 FILE USPAT2
 L101 0 FILE IFIPAT
 L102 0 FILE BIOTECHDS
 L103 0 FILE CAPLUS
 L104 0 FILE WPIDS
 L105 0 FILE CABA
 L106 0 FILE CEABA-VTB
 L107 0 FILE ESBIODBASE
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'ANTIBOD? (S) FUSION'
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'BOD?) (S) '
 L108 0 FILE FEDRIP

TOTAL FOR ALL FILES

L109 6 L61 AND ((OIL (W) BOD?) (S) (ANTIBOD? (S) FUSION))

=> d l109 1-6 ibib abs

L109 ANSWER 1 OF 6 USPATFULL

ACCESSION NUMBER: 2003:140479 USPATFULL
 TITLE: Oil **bodies** and associated proteins
 as affinity matrices
 INVENTOR(S): Moloney, Maurice, Calgary, CANADA
 Boothe, Joseph, Calgary, CANADA
 Van Rooijen, Gijb, Calgary, CANADA
 PATENT ASSIGNEE(S): SemBioSys Genetics Inc., Calgary, CANADA, T1Y 7L3
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003096320	A1	20030522
APPLICATION INFO.:	US 2002-260562	A1	20021001 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 1999-319275, filed on 27 Aug 1999, GRANTED, Pat. No. US 6509453 A 371 of International Ser. No. WO 1997-CA951, filed on 5 Dec 1997, UNKNOWN Continuation-in-part of Ser. No. US 1996-767026, filed on 16 Dec 1996, PATENTED

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BERESKIN AND PARR, SCOTIA PLAZA, 40 KING STREET
WEST-SUITE 4000 BOX 401, TORONTO, ON, M5H 3Y2

NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 20 Drawing Page(s)
LINE COUNT: 2290

AB A method for the **separation** of a target molecule from a mixture is described. The method employs **oil bodies** and their associated proteins as affinity matrices for the selective, non-covalent binding of desired target molecules. The **oil body** proteins may be genetically fused to a **ligand** having specificity for the desired target molecule. Native **oil body** proteins can also be used in conjunction with an **oil body** protein specific **ligand** such as an antibody or an **oil body** binding protein. The method allows the **separation** and recovery of the desired target molecules due to the difference in densities between **oil bodies** and aqueous solutions.

L109 ANSWER 2 OF 6 USPATFULL

ACCESSION NUMBER: 2003:86304 USPATFULL
TITLE: **Oil bodies** and associated proteins as affinity matrices
INVENTOR(S): Moloney, Maurice, Calgary, CANADA
Boothe, Joseph, Calgary, CANADA
Van Rooijen, Gijs, Calgary, CANADA
PATENT ASSIGNEE(S): SemBioSys Genetics Inc., Calgary, CANADA (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003059910	A1	20030327
APPLICATION INFO.:	US 2002-260960	A1	20021001 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-319275, filed on 27 Aug 1999, PENDING A 371 of International Ser. No. WO 1997-CA951, filed on 5 Dec 1997, UNKNOWN Continuation-in-part of Ser. No. US 1996-767026, filed on 16 Dec 1996, PATENTED		

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BERESKIN AND PARR, SCOTIA PLAZA, 40 KING STREET
WEST-SUITE 4000 BOX 401, TORONTO, ON, M5H 3Y2

NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 20 Drawing Page(s)
LINE COUNT: 2288

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for the **separation** of a target molecule from a mixture is described. The method employs **oil bodies** and their associated proteins as affinity matrices for the selective, non-covalent binding of desired target molecules. The **oil body** proteins may be genetically fused to a **ligand** having specificity for the desired target molecule. Native **oil body** proteins can also be used in conjunction with an **oil body** protein specific **ligand** such as an antibody or an **oil body** binding protein. The method allows the **separation** and recovery of the desired target

molecules due to the difference in densities between oil bodies and aqueous solutions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L109 ANSWER 3 OF 6 USPATFULL

ACCESSION NUMBER: 2003:20303 USPATFULL
TITLE: Oil bodies and associated proteins
as affinity matrices
INVENTOR(S): Moloney, Maurice, Calgary, CANADA
Boothe, Joseph, Calgary, CANADA
Van Rooijen, Gijs, Calgary, CANADA
PATENT ASSIGNEE(S): SemBioSys Genetics Inc., Calgary, CANADA (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6509453	B1	20030121
	WO 9827115		19980625
APPLICATION INFO.:	US 1999-319275		19990827 (9)
	WO 1997-CA951		19971205
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-767026, filed on 16 Dec 1996, now patented, Pat. No. US 5856452		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Carlson, Karen Cochrane		
ASSISTANT EXAMINER:	Robinson, Hope A.		
LEGAL REPRESENTATIVE:	Bereskin & Parr, Gravelle, Micheline		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	20 Drawing Figure(s); 20 Drawing Page(s)		
LINE COUNT:	2252		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for the **separation** of a target molecule from a mixture is described. The method employs **oil bodies** and their associated proteins as affinity matrices for the selective, non-covalent binding of desired target molecules. The **oil body** proteins may be genetically fused to a **ligand** having specificity for the desired target molecule. Native **oil body** proteins can also be used in conjunction with an **oil body** protein specific **ligand** such as an antibody or an **oil body** binding protein. The method allows the **separation** and recovery of the desired target molecules due to the difference in densities between **oil bodies** and aqueous solutions

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L109 ANSWER 4 OF 6 USPATFULL

ACCESSION NUMBER: 2002:187147 USPATFULL
TITLE: Expression of somatotropin in plant seeds
INVENTOR(S): Moloney, Maurice M., Calgary, CANADA
Habibi, Hamid R., Calgary, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002100073	A1	20020725
APPLICATION INFO.:	US 2001-887569	A1	20010625 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-210843, filed on 18 Dec 1998, PATENTED Continuation-in-part of Ser. No. US 1997-846021, filed on 25 Apr 1997, PATENTED Continuation-in-part of Ser. No. US 1994-366783, filed on 30 Dec 1994, PATENTED Continuation-in-part of Ser. No. US 1993-142418, filed on 16 Nov 1993, ABANDONED Continuation-in-part of Ser. No. US 1991-659835, filed		

on 22 Feb 1991, ABANDONED
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Micheline Gravelle, Bereskin & Parr, 40 King Street
West, Box 401, Toronto, ON, M5H 3Y2
NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 718

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a method of preparing somatotropins in plants and transgenic plant seeds containing somatotropins. The method provides an economical way to produce somatotropins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L109 ANSWER 5 OF 6 USPATFULL

ACCESSION NUMBER: 2001:153191 USPATFULL
TITLE: Expression of somatotropin in plant seeds
INVENTOR(S): Moloney, Maurice M., Calgary, Canada
Habibi, Hamid R., Calgary, Canada
PATENT ASSIGNEE(S): SemBioSys Genetics Inc., Calgary, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6288304	B1	20010911
APPLICATION INFO.:	US 1998-210843		19981218 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-846021, filed on 25 Apr 1997, now patented, Pat. No. US 5948682 Continuation-in-part of Ser. No. US 1994-366783, filed on 30 Dec 1994, now patented, Pat. No. US 5650554 Continuation-in-part of Ser. No. US 1993-142418, filed on 16 Nov 1993, now abandoned Continuation-in-part of Ser. No. US 1991-659835, filed on 22 Feb 1991, now abandoned		

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Fox, David T.
LEGAL REPRESENTATIVE: Bereskin & Parr, Gravelle, Micheline
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 684

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a method of preparing somatotropins in plants and transgenic plant seeds containing somatotropins. The method provides an economical way to produce somatotropins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L109 ANSWER 6 OF 6 USPATFULL

ACCESSION NUMBER: 1999:1780 USPATFULL
TITLE: Oil bodies and associated proteins as affinity matrices
INVENTOR(S): Moloney, Maurice, Calgary, Canada
van Rooijen, Gijs, Calgary, Canada
Boothe, Joseph, Calgary, Canada
PATENT ASSIGNEE(S): Sembiosys Genetics Inc., Calgary, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5856452		19990105
APPLICATION INFO.:	US 1996-767026		19961216 (8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Grimes, Eric
LEGAL REPRESENTATIVE: Bereskin & Parr
NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 17 Drawing Figure(s); 17 Drawing Page(s)
LINE COUNT: 1775

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for the **separation** of a target molecule from a mixture is described. The method employs **oil bodies** and their associated proteins as affinity matrices for the selective, non-covalent binding of desired target molecules. The **oil body** proteins may be genetically fused to a **ligand** having specificity for the desired target molecule. Native **oil body** proteins can also be used in conjunction with an **oil body** protein specific **ligand** such as an antibody or an **oil body** binding protein. The method allows the **separation** and recovery of the desired target molecules due to the difference in densities between **oil bodies** and aqueous solutions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

WEST Search History

DATE: Friday, June 06, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
L3	L1 and fusion? same (target? or antibod\$)	11	L3
L2	L1 and traget same molecule? and fusion? same target?	0	L2
L1	oil adj bod\$ and (isolat\$ or separat\$) and antibod\$ same fusion?	11	L1

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 11 of 11 returned.**☐ 1. Document ID: US 20030100743 A1

L1: Entry 1 of 11

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100743

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100743 A1

TITLE: Nucleic acids and proteins with thioredoxin reductase activity

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dalmia, Bipin K.	San Diego	CA	US	
Briggs, Steven P.	Del Mar	CA	US	
Val, Greg del	Encinitas	CA	US	
Desjarlais, John R.	Pasadena	CA	US	
Heifetz, Peter	San Diego	CA	US	
Luginbuhl, Peter	San Diego	CA	US	
Muchhal, Umesh	West Covina	CA	US	

US-CL-CURRENT: 536/23.1; 435/4, 530/300[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 2. Document ID: US 20030096320 A1

L1: Entry 2 of 11

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096320

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096320 A1

TITLE: Oil bodies and associated proteins as affinity matrices

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moloney, Maurice	Calgary		CA	
Boothe, Joseph	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	

US-CL-CURRENT: 435/7.5; 530/370, 530/400[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)

☐ 3. Document ID: US 20030093832 A1

L1: Entry 3 of 11

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093832

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030093832 A1

TITLE: Methods for the production of multimeric immunoglobulins, and related compositions

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Szarka, Steven	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	
Moloney, Maurice	Calgary		CA	

US-CL-CURRENT: 800/281; 435/419, 530/388.26, 800/288

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 4. Document ID: US 20030059910 A1

L1: Entry 4 of 11

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059910

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030059910 A1

TITLE: Oil bodies and associated proteins as affinity matrices

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moloney, Maurice	Calgary		CA	
Boothe, Joseph	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	

US-CL-CURRENT: 435/183; 424/192.1, 424/193.1, 530/413

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moloney, Maurice M.	Calgary	CA	CA	
Dalmia, Bipin K.	San Diego		US	

US-CL-CURRENT: 800/288; 435/69.8, 536/23.4, 800/291

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20010039250 A1

L1: Entry 6 of 11

File: PGPB

Nov 8, 2001

PGPUB-DOCUMENT-NUMBER: 20010039250

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010039250 A1

TITLE: Method of delivering a benefit agent

PUBLICATION-DATE: November 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Howell, Steven	Sharnbrook		GB	
Little, Julie	Sharnbrook		GB	
Van Der Logt, Cornelis Paul	Vlaardingen		NL	
Parry, Neil James	Sharnbrook		GB	

US-CL-CURRENT: 510/130; 510/305, 510/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6509453 B1

L1: Entry 7 of 11

File: USPT

Jan 21, 2003

US-PAT-NO: 6509453

DOCUMENT-IDENTIFIER: US 6509453 B1

TITLE: Oil bodies and associated proteins as affinity matrices

DATE-ISSUED: January 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moloney, Maurice	Calgary			CA
Boothe, Joseph	Calgary			CA
Van Rooijen, Gijs	Calgary			CA

US-CL-CURRENT: 530/412; 435/183, 435/6, 435/7.1, 530/350

☐ 8. Document ID: US 6476212 B1

L1: Entry 8 of 11

File: USPT

Nov 5, 2002

US-PAT-NO: 6476212

DOCUMENT-IDENTIFIER: US 6476212 B1

TITLE: Polynucleotides and polypeptides derived from corn ear

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lalgudi; Raghunath V.	Clayton	MO		
Ito; Laura Y.	Pleasanton	CA		
Sherman; Bradley K.	Oakland	CA		

US-CL-CURRENT: 536/23.6; 435/6, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 9. Document ID: US 5948682 A

L1: Entry 9 of 11

File: USPT

Sep 7, 1999

US-PAT-NO: 5948682

DOCUMENT-IDENTIFIER: US 5948682 A

TITLE: Preparation of heterologous proteins on oil bodies

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moloney; Maurice M.	Calgary			CA

US-CL-CURRENT: 435/483; 435/183, 435/214, 435/219, 435/254.2, 435/254.21, 435/320.1,
435/477, 435/69.1, 435/69.2, 435/69.4, 435/69.52, 435/69.6, 435/69.7, 435/69.8,
435/70.1, 435/71.1, 536/23.2, 536/23.4, 536/23.52, 536/23.6, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 10. Document ID: US 5856452 A

L1: Entry 10 of 11

File: USPT

Jan 5, 1999

US-PAT-NO: 5856452

DOCUMENT-IDENTIFIER: US 5856452 A

TITLE: Oil bodies and associated proteins as affinity matrices

DATE-ISSUED: January 5, 1999

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moloney; Maurice	Calgary			CA
van Rooijen; Gijs	Calgary			CA
Boothe; Joseph	Calgary			CA

US-CL-CURRENT: 530/412; 435/262, 435/270, 435/272, 435/277

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 5650554 A

L1: Entry 11 of 11

File: USPT

Jul 22, 1997

US-PAT-NO: 5650554

DOCUMENT-IDENTIFIER: US 5650554 A

TITLE: Oil-body proteins as carriers of high-value peptides in plants

DATE-ISSUED: July 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moloney; Maurice	Calgary			CA

US-CL-CURRENT: 800/288; 435/183, 435/320.1, 435/418, 435/419, 435/69.1, 435/69.2, 435/69.52, 435/69.6, 435/69.7, 435/69.8, 435/70.1, 435/71.1, 536/23.2, 536/23.4, 536/23.52, 536/23.6, 536/24.1, 800/298, 800/301, 800/302

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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Term	Documents
OIL	889745
OILS	198064
BOD\$	0
BOD	5932
BODA	592
BODAAND	1
BODAB	1
BODABILITY	3
BODACH	23
BODACH-ET-AL	1
BODACH-H	1
(OIL ADJ BOD\$ AND (ISOLAT\$ OR SEPARAT\$) AND ANTIBOD\$ SAME FUSION?).USPT,PGPB,EPAB,DWPI,TDBD.	11

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Search Results - Record(s) 1 through 11 of 11 returned.☐ 1. Document ID: US 20030096320 A1

L2: Entry 1 of 11

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096320

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096320 A1

TITLE: Oil bodies and associated proteins as affinity matrices

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Moloney, Maurice</u>	Calgary		CA	
Boothe, Joseph	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	

US-CL-CURRENT: 435/7.5; 530/370, 530/400

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20030093832 A1

L2: Entry 2 of 11

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093832

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030093832 A1

TITLE: Methods for the production of multimeric immunoglobulins, and related compositions

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Szarka, Steven	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	
<u>Moloney, Maurice</u>	Calgary		CA	

US-CL-CURRENT: 800/281; 435/419, 530/388.26, 800/288

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20030059910 A1

L2: Entry 3 of 11

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059910
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030059910 A1

TITLE: Oil bodies and associated proteins as affinity matrices

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Moloney, Maurice</u>	Calgary		CA	
Boothe, Joseph	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	

US-CL-CURRENT: 435/183; 424/192.1, 424/193.1, 530/413

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6509453 B1

L2: Entry 4 of 11

File: USPT

Jan 21, 2003

US-PAT-NO: 6509453
DOCUMENT-IDENTIFIER: US 6509453 B1

TITLE: Oil bodies and associated proteins as affinity matrices

DATE-ISSUED: January 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Moloney; Maurice</u>	Calgary			CA
Boothe; Joseph	Calgary			CA
Van Rooijen; Gijs	Calgary			CA

US-CL-CURRENT: 530/412; 435/183, 435/6, 435/7.1, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5856452 A

L2: Entry 5 of 11

File: USPT

Jan 5, 1999

US-PAT-NO: 5856452
DOCUMENT-IDENTIFIER: US 5856452 A

TITLE: Oil bodies and associated proteins as affinity matrices

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Moloney; Maurice</u>	Calgary			CA
van Rooijen; Gijs	Calgary			CA
Boothe; Joseph	Calgary			CA

US-CL-CURRENT: 530/412; 435/262, 435/270, 435/272, 435/277

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5650554 A

L2: Entry 6 of 11

File: USPT

Jul 22, 1997

US-PAT-NO: 5650554

DOCUMENT-IDENTIFIER: US 5650554 A

TITLE: Oil-body proteins as carriers of high-value peptides in plants

DATE-ISSUED: July 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Moloney; Maurice</u>	Calgary			CA

US-CL-CURRENT: 800/288; 435/183, 435/320.1, 435/418, 435/419, 435/69.1, 435/69.2,
435/69.52, 435/69.6, 435/69.7, 435/69.8, 435/70.1, 435/71.1, 536/23.2, 536/23.4,
536/23.52, 536/23.6, 536/24.1, 800/298, 800/301, 800/302

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: WO 9945122 A1

L2: Entry 7 of 11

File: EPAB

Sep 10, 1999

PUB-NO: WO009945122A1

DOCUMENT-IDENTIFIER: WO 9945122 A1

TITLE: MODIFICATION OF FATTY ACID METABOLISM IN PLANTS

PUBN-DATE: September 10, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
PEOPLES, OLIVER P	
BOYNTON, LAURA	
HUISMAN, GJALT W	
MOLONEY, MAURICE	
PATTERSON, NII	
SNELL, KRISTI	

INT-CL (IPC): C12 N 15/52; C12 N 15/82; A01 H 5/00EUR-CL (EPC): C12N015/52; C12N015/82, C12N015/82 , C12N015/82

PUB-NO: WO009853698A1
DOCUMENT-IDENTIFIER: WO 9853698 A1
TITLE: USES OF OIL BODIES

PUBN-DATE: December 3, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
DECKERS, HARM M	CA
VAN, ROOIJEN GIJS	CA
BOOTHE, JOSEPH	CA
GOLL, JANIS	CA
MOLONEY, MAURICE	CA
MAHMOUD, SOHEIL SAYED	CA

INT-CL (IPC): A23 D 7/00; C11 B 1/10; B01 F 17/00; A23 L 1/035; A23 K 1/16; A23 L 1/24; A23 L 1/39; A61 K 7/00; A61 K 9/107

EUR-CL (EPC): A23G003/00; A23G003/00, A23G003/00, A23G003/00, A23G003/30, A23G009/02, A23G009/02, A23L001/225, A61K007/02, A61K007/06, A61K007/26, A61K007/42, A61K007/46, A23L001/187, A23D007/00, A23D007/00, A23G003/30, A23K001/165, A23K001/18, A23L001/24, A23L001/39, A61K007/48, A61K035/78, A61K047/44, C11B001/10, A23G003/00, A23P001/08, C09D005/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 9. Document ID: WO 9849326 A1

L2: Entry 9 of 11

File: EPAB

Nov 5, 1998

PUB-NO: WO009849326A1
DOCUMENT-IDENTIFIER: WO 9849326 A1
TITLE: METHOD FOR CLEAVAGE OF FUSION PROTEINS

PUBN-DATE: November 5, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
MOLONEY, MAURICE	CA
ALCANTARA, JOENEL	CA
VAN, ROOIJEN GIJS	CA

INT-CL (IPC): C12 N 15/62; C12 N 15/15; C07 K 14/815; C07 K 14/61; C12 N 9/50; C12 N 15/57; A61 K 38/58; A61 K 38/27; A23 L 1/305

EUR-CL (EPC): C07K014/815; A23L001/305, C07K014/61, C12N009/50, C12N015/62

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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INVENTOR-INFORMATION:

NAME

COUNTRY

MOLONEY, MAURICE

CA

BOOTHE, JOSEPH

CA

VAN, ROOIJEN GIJS

CA

INT-CL (IPC): C07 K 14/415; C07 K 1/22; C12 N 9/74; C07 K 16/06; C08 B 1/00; C07 H 21/00; C01 G 11/00; B01 D 15/08

EUR-CL (EPC): B01D015/08; C01G011/00, C07H021/00 , C07H021/00 , C07K001/22 , C07K014/415 , C07K016/06 , C08B001/00 , C12N009/74

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 11. Document ID: WO 9621029 A1

L2: Entry 11 of 11

File: EPAB

Jul 11, 1996

PUB-NO: WO009621029A1

DOCUMENT-IDENTIFIER: WO 9621029 A1

TITLE: OIL BODY PROTEINS AS CARRIERS OF HIGH VALUE PROTEINS

PUBN-DATE: July 11, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

MOLONEY, MAURICE

INT-CL (IPC): C12 N 15/82; C12 N 15/29; C12 N 15/57; C12 N 15/25; C12 N 15/15; C12 N 15/62; A01 H 5/00

EUR-CL (EPC): C07K014/61; C07K014/81, C12N009/64 , C12N015/82 , C07K014/545 , C07K014/815 , C12N009/74 , C12N015/82 , C12N015/82 , C12N015/82

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Search Results - Record(s) 1 through 15 of 15 returned.☐ 1. Document ID: US 20030096320 A1

L3: Entry 1 of 15

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096320

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096320 A1

TITLE: Oil bodies and associated proteins as affinity matrices

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moloney, Maurice	Calgary		CA	
Boothe, Joseph	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	

US-CL-CURRENT: 435/7.5; 530/370, 530/400

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20030059910 A1

L3: Entry 2 of 15

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059910

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030059910 A1

TITLE: Oil bodies and associated proteins as affinity matrices

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moloney, Maurice	Calgary		CA	
Boothe, Joseph	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	

US-CL-CURRENT: 435/183; 424/192.1, 424/193.1, 530/413

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20020114820 A1

L3: Entry 3 of 15

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020114820
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020114820 A1

TITLE: Products for topical applications comprising oil bodies

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deckers, Harm M.	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	
<u>Boothe, Joseph</u>	Calgary		CA	
Goll, Janis	Calgary		CA	
Moloney, Maurice M.	Calgary		CA	

US-CL-CURRENT: 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20020106337 A1

L3: Entry 4 of 15

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106337
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020106337 A1

TITLE: Products for topical applications comprising oil bodies

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deckers, Harm M.	Calgary		CA	
Van Rooijen, Gijs	Calgary		CA	
<u>Boothe, Joseph</u>	Calgary		CA	
Goll, Janis	Calgary		CA	
Moloney, Maurice M.	Calgary		CA	

US-CL-CURRENT: 424/59; 424/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20020071852 A1

L3: Entry 5 of 15

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020071852
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020071852 A1

TITLE: Products for topical applications comprising oil bodies

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deckers, Harm M.	Calgary		CA	
van Rooijen, Gijs	Calgary		CA	
<u>Boothe, Joseph</u>	Calgary		CA	
Goll, Janis	Calgary		CA	
Moloney, Maurice M.	Calgary		CA	

US-CL-CURRENT: 424/401; 424/417, 426/601, 426/602, 426/605, 426/615, 426/629,
426/635, 426/805, 514/937, 516/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20020071846 A1

L3: Entry 6 of 15

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020071846

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020071846 A1

TITLE: Vaccines comprising oil bodies

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deckers, Harm M.	Alberta		CA	
Rooijen, Gijs Van	Alberta		CA	
<u>Boothe, Joseph</u>	Alberta		CA	
Goll, Janis	Alberta		CA	
Moloney, Maurice M.	Alberta		CA	
Schryvers, Anthony B.	Alberta		CA	
Alcantara, Joenel	Alberta		CA	
Hutchins, Wendy A.	Alberta		CA	

US-CL-CURRENT: 424/184.1; 424/731, 424/750, 424/755, 424/757, 424/758, 424/764,
424/768

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20020037303 A1

L3: Entry 7 of 15

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037303

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020037303 A1

TITLE: Thioredoxin and thioredoxin reductase containing oil body based products

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deckers, Harm M.	Calgary	CA	CA	
Rooijen, Gijs van	Calgary		CA	
<u>Boothe, Joseph</u>	Calgary		CA	
Goll, Janis	Calgary		CA	
Moloney, Maurice M.	Calgary		CA	
Dalmia, Bipin K.	San Diego		US	

US-CL-CURRENT: 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 8. Document ID: US 6509453 B1

L3: Entry 8 of 15

File: USPT

Jan 21, 2003

US-PAT-NO: 6509453

DOCUMENT-IDENTIFIER: US 6509453 B1

TITLE: Oil bodies and associated proteins as affinity matrices

DATE-ISSUED: January 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moloney; Maurice	Calgary			CA
<u>Boothe; Joseph</u>	Calgary			CA
Van Rooijen; Gijs	Calgary			CA

US-CL-CURRENT: 530/412, 435/183, 435/6, 435/7.1, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 9. Document ID: US 6372234 B1

L3: Entry 9 of 15

File: USPT

Apr 16, 2002

US-PAT-NO: 6372234

DOCUMENT-IDENTIFIER: US 6372234 B1

**** See image for Certificate of Correction ****

TITLE: Products for topical applications comprising oil bodies

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deckers; Harm M.	Calgary			CA
van Rooijen; Gijs	Calgary			CA
<u>Boothe; Joseph</u>	Calgary			CA
Goll; Janis	Calgary			CA
Moloney; Maurice M.	Calgary			CA

US-CL-CURRENT: 424/401, 424/400, 424/450, 514/937, 516/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6210742 B1

L3: Entry 10 of 15

File: USPT

Apr 3, 2001

US-PAT-NO: 6210742

DOCUMENT-IDENTIFIER: US 6210742 B1

TITLE: Uses of oil bodies

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deckers; Harm M	Calgary			CA
van Rooijen; Gijs	Calgary			CA
<u>Boothe; Joseph</u>	Calgary			CA
Goll; Janis	Calgary			CA
Mahmoud; Soheil	Calgary			CA
Moloney; Maurice M.	Calgary			CA

US-CL-CURRENT: 426/630; 426/302, 426/602, 426/615, 426/635, 426/89, 516/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6183762 B1

L3: Entry 11 of 15

File: USPT

Feb 6, 2001

US-PAT-NO: 6183762

DOCUMENT-IDENTIFIER: US 6183762 B1

TITLE: Oil body based personal care products

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deckers; Harm M.	Calgary			CA
van Rooijen; Gijs	Calgary			CA
<u>Boothe; Joseph</u>	Calgary			CA
Goll; Janis	Calgary			CA
Moloney; Maurice M.	Calgary			CA

US-CL-CURRENT: 424/401; 426/417, 426/601, 426/602, 426/605, 426/615, 426/629, 426/635, 426/805, 514/937, 516/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6146645 A

L3: Entry 12 of 15

File: USPT

Nov 14, 2000

US-PAT-NO: 6146645

DOCUMENT-IDENTIFIER: US 6146645 A

**** See image for Certificate of Correction ****

TITLE: Uses of oil bodies

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deckers; Harm M.	Calgary			CA
van Rooijen; Gijs	Calgary			CA
<u>Boothe; Joseph</u>	Calgary			CA
Goll; Janis	Calgary			CA
Mahmoud; Soheil	Calgary			CA
Moloney; Maurice M.	Calgary			CA

US-CL-CURRENT: 424/401; 426/417, 426/601, 426/602, 426/605, 426/615, 426/629,
426/635, 426/805, 514/937, 516/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 5856452 A

L3: Entry 13 of 15

File: USPT

Jan 5, 1999

US-PAT-NO: 5856452

DOCUMENT-IDENTIFIER: US 5856452 A

TITLE: Oil bodies and associated proteins as affinity matrices

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moloney; Maurice	Calgary			CA
van Rooijen; Gijs	Calgary			CA
<u>Boothe; Joseph</u>	Calgary			CA

US-CL-CURRENT: 530/412; 435/262, 435/270, 435/272, 435/277

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: WO 9853698 A1

L3: Entry 14 of 15

File: EPAB

Dec 3, 1998

PUB-NO: WO009853698A1

DOCUMENT-IDENTIFIER: WO 9853698 A1

TITLE: USES OF OIL BODIES

PUBN-DATE: December 3, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
DECKERS, HARM M	CA
VAN, ROOIJEN GIJS	CA
BOOTHE, JOSEPH	CA
GOLL, JANIS	CA
MOLONEY, MAURICE	CA
MAHMOUD, SOHEIL SAYED	CA

INT-CL (IPC): A23 D 7/00; C11 B 1/10; B01 F 17/00; A23 L 1/035; A23 K 1/16; A23 L 1/24; A23 L 1/39; A61 K 7/00; A61 K 9/107

EUR-CL (EPC): A23G003/00; A23G003/00, A23G003/00, A23G003/00, A23G003/30, A23G009/02, A23G009/02, A23L001/225, A61K007/02, A61K007/06, A61K007/26, A61K007/42, A61K007/46, A23L001/187, A23D007/00, A23D007/00, A23G003/30, A23K001/165, A23K001/18, A23L001/24, A23L001/39, A61K007/48, A61K035/78, A61K047/44, C11B001/10, A23G003/00, A23P001/08, C09D005/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: WO 9827115 A1

L3: Entry 15 of 15

File: EPAB

Jun 25, 1998

PUB-NO: WO009827115A1

DOCUMENT-IDENTIFIER: WO 9827115 A1

TITLE: OIL BODIES AND ASSOCIATED PROTEINS AS AFFINITY MATRICES

PUBN-DATE: June 25, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
MOLONEY, MAURICE	CA
BOOTHE, JOSEPH	CA
VAN, ROOIJEN GIJS	CA

INT-CL (IPC): C07 K 14/415; C07 K 1/22; C12 N 9/74; C07 K 16/06; C08 B 1/00; C07 H 21/00; C01 G 11/00; B01 D 15/08

EUR-CL (EPC): B01D015/08; C01G011/00, C07H021/00, C07H021/00, C07K001/22, C07K014/415, C07K016/06, C08B001/00, C12N009/74

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
BOOTHE-JOSEPH	15
BOOTHE-JOSEPHS	0
BOOTHE-JOSEPH.IN..USPT,PGPB,EPAB,DWPI,TDBD.	15
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☐ 1. Document ID: US 20020071846 A1

L7: Entry 1 of 2

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020071846

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020071846 A1

TITLE: Vaccines comprising oil bodies

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deckers, Harm M.	Alberta		CA	
<u>Rooijen, Gijs Van</u>	Alberta		CA	
Boothe, Joseph	Alberta		CA	
Goll, Janis	Alberta		CA	
Moloney, Maurice M.	Alberta		CA	
Schryvers, Anthony B.	Alberta		CA	
Alcantara, Joenel	Alberta		CA	
Hutchins, Wendy A.	Alberta		CA	

US-CL-CURRENT: [424/184.1](#); [424/731](#), [424/750](#), [424/755](#), [424/757](#), [424/758](#), [424/764](#), [424/768](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[K00C](#) | [Draw Desc](#) | [Image](#)☐ 2. Document ID: US 20020037303 A1

L7: Entry 2 of 2

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037303

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020037303 A1

TITLE: Thioredoxin and thioredoxin reductase containing oil body based products

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deckers, Harm M.	Calgary	CA	CA	
<u>Rooijen, Gijs van</u>	Calgary		CA	
Boothe, Joseph	Calgary		CA	
Goll, Janis	Calgary		CA	
Moloney, Maurice M.	Calgary		CA	
Dalmia, Bipin K.	San Diego		US	

US-CL-CURRENT: 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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ROOIJEN-GIJS-VANS	0
ROOIJEN-GIJS-VAN.IN..USPT,PGPB,EPAB,DWPI,TDBD.	2
(ROOIJEN-GIJS-VAN.IN.).USPT,PGPB,EPAB,DWPI,TDBD.	2

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DATE: Friday, June 06, 2003

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L7	rooijen-gijs-van.in.	2	L7
L6	roijen-gijs.in.	0	L6
L5	roijen-gijs-v\$.in.	0	L5
L4	roijen-gijs-van.in.	0	L4
L3	booth-joseph.in.	15	L3
L2	moloney-maurice.in.	11	L2
L1	5650554.pn.	2	L1

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